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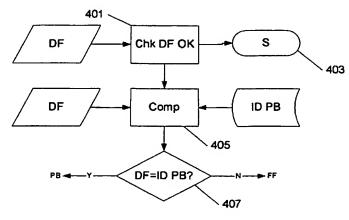
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#### (54) Title: METHOD AND ADAPTER FOR PROTOCOL DETECTION IN A FIELD BUS NETWORK



(57) Abstract: The present invention relates to a field bus adapter for transmitting and receiving control data from a field bus network where data is being exchanged according to a specific field bus protocol, said adapter comprises a transmitter for transmitting data to the field bus network and a receiver for receiving data from the field bus network, characterised in that the adapter further comprises a protocol detector adapted for detecting a field bus protocol between a number of predefined field bus protocols and for setting up the receiver and the transmitter for communicating according to said detected field bus protocol. The protocol detector comprises means for receiving data from the field bus, means for determining if the received data complies with predefined characteristics stored in a database, said characteristics uniquely identifying data of only one of said number of predefined field bus protocols, means for setting up the receiver and the transmitter for communicating according to said one protocol, if said received data complies with said characteristics. The invention further relates to a method for transmitting and receiving control data from a field bus network according to the above.



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